



Product Evaluation

DR749 | 0216

Engineering Services Program

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

Evaluation ID: DR-749

Effective Date: February 1, 2016

Re-evaluation Date: February 2017

Product Name: Series 390 HP Vinyl Sliding Glass Doors, New Construction and Replacement, Non-Impact Resistant

Manufacturer: MI Windows and Doors, Inc.
650 West Market Street
Gratz, PA 17030-0370
(717) 365-3300

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 390 HP Vinyl Sliding Glass Doors; OXO; New Construction	LC-PG25 144x96	+25 / -25 psf
2	Series 390 HP Vinyl Sliding Glass Doors; XO; New Construction and Replacement	LC-PG35 96x96	+35 / -35 psf

Product Dimensions:

System	Overall Size	Operable Panel Size	Fixed Panel Daylight Opening Size
1	144" x 96"	49-5/8" x 94-1/8"	45" x 89-1/2"
2	95-1/2" x 95-1/2"	49" x 93-3/8"	44-1/4" x 88-5/8"

Product Identification (Certification Agency Label on Door):

System		
1-2	Certification Agency	AAMA
	Manufacturer's Name or Code Name	MTL-12
	Product Name	390 HP SGD
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08

Impact Resistance:

System	Impact Resistant	Requirement
1-2	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Installation:

System		
1	Type of Installation	Mounting Fin
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	Minimum No. 8 x 2" truss head screws
	Fastener Location/Spacing	Mounting Fin: Located at each corner and spaced 8" on center along the perimeter. Head and Sill: Four screws per head and sill located 6" from each side of meeting stile and mullion. Jambs: Three screws per jamb located 6" from each end and at midpoint.
	Fastener Penetration	Minimum 1-1/2" into the wall framing
2	Type of Installation	Mounting Fin
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	Minimum No. 8 x 2" truss head screws
	Fastener Location/Spacing	Mounting Fin: Located at each corner and spaced 8" on center along the perimeter. Head: One screw located 3 inches from each side of midspan. Keeper: Two screws to anchor the keeper through the jamb.
	Fastener Penetration	Minimum 1-1/2" into the wall framing
	Type of Installation	Replacement
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	Minimum No. 8 x 2" truss head screws
	Fastener Location/Spacing	Jambs: Five per jamb, located 6 inches from each end and spaced evenly thereafter. Head and Sill: Six per head and sill, located 6 inches and spaced evenly thereafter with one screw located 3 inches from each side of the midspan. Keeper: Two screws to anchor the keeper through the jamb.
	Fastener Penetration	Minimum 1-1/2" into the wall framing

Note: Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, IBC, and the Texas Revisions.